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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/776,278	02/02/2001	Michael J. Sullivan	P-3724-2-F1-C1-C1	1289

7590

11/25/2002

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EXAMINER

GORDON, RAEANN

ART UNIT

PAPER NUMBER

3711

DATE MAILED: 11/25/2002

#12

Please find below and/or attached an Office communication concerning this application or proceeding.

SM.

# Office Action Summary

Application No.

09/776,278

Applicant(s)

SULLIVAN, MICHAEL J.

Examiner

Raeann Gorden

Art Unit

3711

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 16 September 2002.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                             | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____                                    |

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## DETAILED ACTION

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 2 and 4-8 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The Shore D hardness less than 64 for the outer cover layer has not been disclosed.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nesbitt in view of Sullivan '814 and Wu. Nesbitt discloses a golf ball comprising a core, an inner cover layer, and an outer cover layer. The inner cover layer has a thickness from 0.020 to 0.070 inch and is made from a high flexural modulus ionomer. The outer cover layer has a thickness from 0.020 to 0.10 inch and is made from a low flexural

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modulus ionomer. The golf ball has an overall diameter of 1.68 inches. Nesbitt further discloses the inner cover layer material may include Surlyn 1605, which has a 15% acid content. Nesbitt does not disclose a blend of ionomers for the inner cover layer.

Sullivan teaches a blend ionomers for the cover layer. One skilled in the art would have included additional ionomers to provide improve the durability. Nesbitt also does not disclose polyurethane for the outer cover. Wu teaches a polyurethane cover. One skilled in the art would have modified the cover material with polyurethane since it is known to provide good shear resistance, cut resistance, durability, and resiliency (Wu col 2).

### ***Response to Arguments***

Applicant's arguments filed 9-16-02 have been fully considered but they are not persuasive. The 35 U.S.C. 112, first paragraph rejection is maintained. To overcome the rejection, applicant is required to amend the specification to include the hardness for the outer cover layer as well as provide a copy of the originally filed claims from the parent application which applicant seeks to claim priority. Applicant's arguments in regards to the prior art rejection are not persuasive. Applicant argues there is no motivation to modify Nesbitt with Sullivan and Wu by substituting the materials for the cover layers. The primary reference, Nesbitt, discloses applicant's invention but fails to disclose the materials for the cover layers. Applicant claims an inner cover layer comprising at least two ionomers, wherein at least one of the ionomers contain no more than 16% acid. Nesbitt discloses an inner cover layer comprising one ionomer with an

acid content less than 16%. Sullivan teaches cover compositions comprising at least two ionomers. Although Sullivan does not mention the acid content of the ionomers it is well known that the Surlyn ionomers taught by Sullivan are not high acid ionomers and contain less than 16% acid. The Wu reference is also used a secondary reference to teach the polyurethane for the outer cover layer. The Nesbitt reference discloses a soft outer cover layer but only discloses soft ionomers. Since polyurethanes are known in the golfing art for providing softer covers with increased durability and resiliency the modification is within the capabilities of one skilled in the art.

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raeann Gorden whose telephone number is (703) 308-

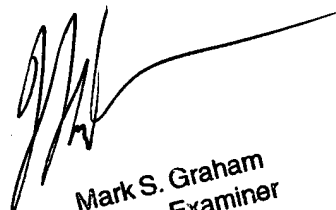
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8354. The examiner can normally be reached Monday-Thursday and alternating Fridays from 8:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Sewell can be reached on 703-308-2126. The fax number for the organization where this application or proceeding is assigned is 703-308-7768.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1148.

rg  
November 20, 2002



Mark S. Graham  
Primary Examiner